



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06



Site Name: Ann Lee Mine - NM0023

CERCLIS ID#: NMN000607165

Alias Site Name: Phillips No. 1, Section 28, Spider Rock, Anne-Lee

Address: Latitude 35 degrees 24'51.98 " Longitude 107 degrees 47'43.80"



City/County or Parish/State/Zip: McKinley County, New Mexico

Report Type: Mining Inspection Report

Date: 11/15/07

Author: MMD

RECOMMENDATION:

<input type="checkbox"/> 1. No Further Remedial Action Planned Under Superfund (NFRAP)	<input type="checkbox"/> 2. Further Investigation Needed Under Superfund												
	<table><tr><td><input type="checkbox"/> PA</td><td><input type="checkbox"/> HRS</td><td>Priority: <input type="checkbox"/> High</td></tr><tr><td><input type="checkbox"/> SI</td><td><input type="checkbox"/> RI/FS</td><td><input type="checkbox"/> Low</td></tr><tr><td><input type="checkbox"/> ESI</td><td><input type="checkbox"/> RA</td><td></td></tr><tr><td><input type="checkbox"/> Other:</td><td colspan="2"></td></tr></table>	<input type="checkbox"/> PA	<input type="checkbox"/> HRS	Priority: <input type="checkbox"/> High	<input type="checkbox"/> SI	<input type="checkbox"/> RI/FS	<input type="checkbox"/> Low	<input type="checkbox"/> ESI	<input type="checkbox"/> RA		<input type="checkbox"/> Other:		
<input type="checkbox"/> PA	<input type="checkbox"/> HRS	Priority: <input type="checkbox"/> High											
<input type="checkbox"/> SI	<input type="checkbox"/> RI/FS	<input type="checkbox"/> Low											
<input type="checkbox"/> ESI	<input type="checkbox"/> RA												
<input type="checkbox"/> Other:													
<input type="checkbox"/> 3. Action Deferred to: <input type="checkbox"/> RCRA <input type="checkbox"/> NRC													
<input checked="" type="checkbox"/> 4. Site Being Addressed Under the State Voluntary Cleanup Program (VCP): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
To be performed by: _____													

NOTIFY AUTHORITY:

<input type="checkbox"/> Removal	<input type="checkbox"/> RCRA	<input type="checkbox"/> TSCA	<input type="checkbox"/> CAA	<input type="checkbox"/> SMCRA
<input type="checkbox"/> Remedial	<input type="checkbox"/> State/Tribe	<input type="checkbox"/> NPDES	<input type="checkbox"/> NRC	<input type="checkbox"/> Resource Trustee: _____
<input type="checkbox"/> CERCLA	<input type="checkbox"/> Federal	<input type="checkbox"/> UIC	<input type="checkbox"/> SPCC	<input type="checkbox"/> Other: _____
Enforcement	Facility			
SEND SSSR COPIES TO: <input type="checkbox"/> 6SF-AC <input type="checkbox"/> 6WQ-SP <input type="checkbox"/> ATSDR <input checked="" type="checkbox"/> State Agency <input type="checkbox"/> Tribal Agency				

DISCUSSION:

The New Mexico Energy Minerals and Natural Resources Department, Mine and Minerals Division (MMD) conducted a mine inspection and issued a report on November 15, 2007 at the Ann Lee Mine site. The mine operated as a wet mine and records indicate that during mine operations, solution mining occurred (i.e., mine water was recirculated through the mine to further leach uranium). Possibly like the Sandstone Mine, the recirculated mine water was discharged to a pond on the Phillips Mill site, run through the ion exchange for uranium recovery, and then recirculated back through the mine. The vent shaft (735 feet below ground surface) and a portion of mine were included in Phillips UMTRA Title I reclamation project. The shaft had two mining levels, a main level at 660 feet and a sub-level at 720 feet. According to the UNC representative who was present during the inspection, no mined material had been dumped or stockpiled at the Ann Lee location and the only purpose for the mine site was for use as an ore load-out shaft for mining the Sandstone Mine. The majority of the reclamation occurred in 1994 with the shaft being backfilled with mill/mine waste and capped with a four foot thick concrete slab. During the 2007 inspection, subsidence in the area of the mine shaft and the presence of a well were noted within the 1/10 acre mine site.

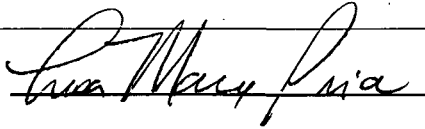
In August 2011, EPA conducted an aerial radiological survey in the northwestern portion of the Ambrosia Lake sub-district by using the Airborne Spectral Photometric Environmental Collection Technology (ASPECT). The Ann Lee Mine was included in the ASPECT survey. The gamma radiation readings at the Ann Lee Mine site were not statistically greater than background readings in the area.

Based on the extent of reclamation and the lack of gamma radiation readings above background, EPA recommends that the Ann Lee Mine should be considered a low priority under CERCLA.

APPROVALS:

Report Reviewed by: Lisa Marie Price
(Site Assessment Manager)

Signature:

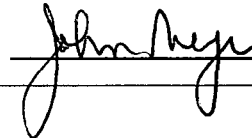


Date: 1/23/12

Disposition

Approved by: John Meyer
(Section Chief 6SF-TR)

Signature:



Date: 1/25/12